

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 08178172
PUBLICATION DATE : 12-07-96

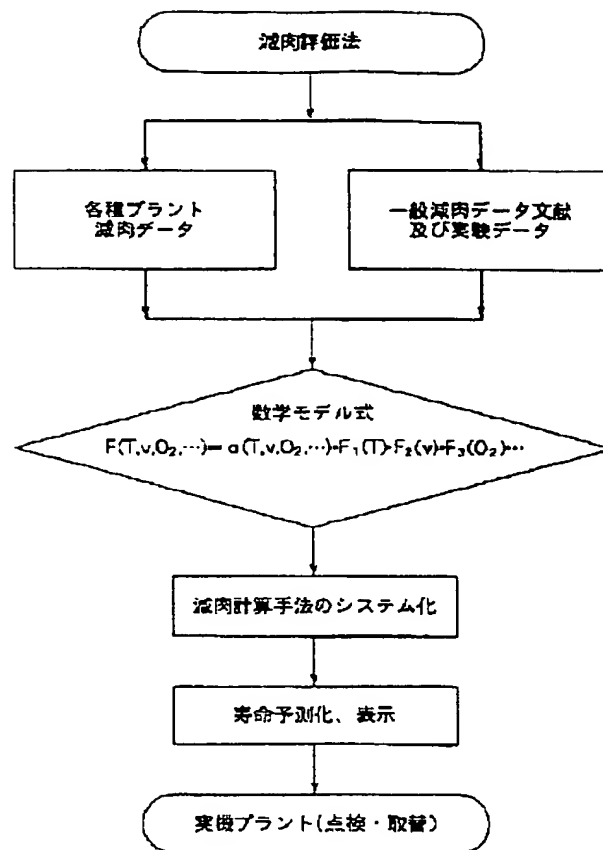
APPLICATION DATE : 27-12-94
APPLICATION NUMBER : 06324457

APPLICANT : TOSHIBA CORP;

INVENTOR : INAGAKI SHUICHI;

INT.CL. : F16L 57/00 F17D 5/02

TITLE : CALCULATION AND EVALUATION OF
THICKNESS REDUCTION CAUSED BY
EROSION AND CORROSION OF
EQUIPMENT AND PIPING DEVICE



ABSTRACT : PURPOSE: To perform prediction of a life even when experiment data is unavailable by a method wherein by means of thickness reduction data of various plants, the documentary records and experiment data of thickness reduction data, and a numeral model for thickness reduction calculation, thickness reduction calculation and an evaluation method are systematized.

CONSTITUTION: By means of thickness reduction data of a plant, and documentary records and experiment data related to general thickness reduction, a numeral model formula for calculating thickness reduction is set, and the data base of the function thereof classified by each erosion and corrosion factor is formed. By means of the data base of the functions, thickness reduction measurement data of the plant, and documentary records and experiment data and a numeral model formula, a thickness reduction formula by erosion and corrosion classified by each erosion and corrosion factor is newly established. By a thickness reduction calculation formula by erosion and corrosion classified by each erosion and corrosion factor which is brought into a data base, thickness reduction calculation by erosion and corrosion and an evaluating method are systematized, and a life for an apparatus and piping devices is predicated.

COPYRIGHT: (C)1996,JPO